



August 16, 2017

[REDACTED]

SUBJECT: Animal Feeding Operation (AFO) Compliance Inspection (Staff Action # 105969)
AFO NPDES Desktop Assessment (Staff Action # 105968)
MMP Inspection (Staff Action # 121686)
Handlos - Arnold, Audubon County (Facility # 67383)

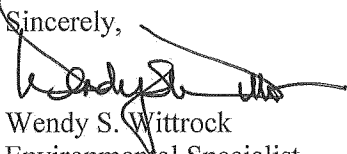
Dear Sir:

Attached is a copy of the report resulting from the Animal Feeding Operation (AFO) facility compliance inspection conducted on August 10, 2017.

I want to thank you for the courteous and professional assistance that David Wittry and Trent Heimerman offered on your behalf during the inspection. Please direct your attention to the requirements and recommendations at the end of the report.

If you have any questions, or feel this report does not represent the conditions at your facility, please contact me via email at wendy.wittrock@dnr.iowa.gov or telephone at (712) 243-1934.

Sincerely,


Wendy S. Wittrock
Environmental Specialist
Field Services and Compliance Bureau

Audubon081017.cf.Handlos - Arnold AFO Facility Inspection.wittrock.doc

CC Stephen Pollard, U.S. EPA Region 7, WWPD /WENF, 11201 Renner Blvd., Lenexa, KS 66219 (EMAIL)
Ken Hessenius, FO#3, AFO Enforcement Coordinator, Spencer, IA (EMAIL)
David Wittry, AMVC (EMAIL)
Handlos - Arnold Confinement File, Audubon County

Enclosure: AFO Facility Inspection Report
MMP Inspection Form
Animal Feeding Operation (AFO) Regulatory Status Form
Desktop Assessment Form
Photos of Site and Aerial Photo

**IOWA DEPARTMENT OF NATURAL RESOURCES
AFO INSPECTION REPORT**

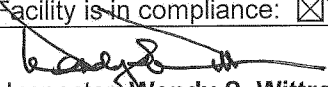

FACILITY DESCRIPTION

FACILITY LOCATION	Facility: Handlos - Arnold			Facility ID#: 67383	
	Address: 1849 120th St.		City: Audubon	State: IA	Zip: 50025
	PLSS: Section 9, Cameron Township (T81N, R35W), Audubon County				
OWNER	Name: Lawrence Handlos				
ANIMAL HOUSING TYPE	<input checked="" type="checkbox"/> Confinement <input type="checkbox"/> Open Lot <input type="checkbox"/> Combined (Confinement & Open Lot)				
ANIMAL INFORMATION	Animal Type(s)	Capacity	Current Head	Number of Bldgs./Pens	
	Swine Wean to Finish	1920 AU	4,800	4	
	Date of Construction: 2012		Date of Expansion: n/a		

INSPECTION INFORMATION

INSPECTION DATE	This Inspection: August 10, 2017	Last Inspection: n/a
PERSONS INTERVIEWED	Name: David Wittry	Title: Facility Contact
	Name: Trent Heimerman	Title: Site Contact
NEAREST WATERCOURSE	Stream Name: unnamed tributary to the East Branch of the West Nishnabotna	
	Description of Flow Path: west through a grassed waterway to an unnamed tributary to the East Branch of the West Nishnabotna River	

COMPLIANCE SUMMARY

OBSERVATIONS	Nutrient Management: <input type="checkbox"/> CNMP <input type="checkbox"/> NMP <input checked="" type="checkbox"/> MMP <input type="checkbox"/> Other <input type="checkbox"/> No formal plan			
	Manure Stockpiling:	Mortality Management:	Runoff from Feed Storage:	
	<input type="checkbox"/> In controlled area <input type="checkbox"/> In compliance with rules <input checked="" type="checkbox"/> Not applicable – direct haul <input type="checkbox"/> Stockpiling in an uncontrolled area	<input checked="" type="checkbox"/> Rendering <input type="checkbox"/> Composting <input type="checkbox"/> Incineration <input type="checkbox"/> On-site burial <input type="checkbox"/> Landfill	<input checked="" type="checkbox"/> No outdoor feed storage area <input type="checkbox"/> Discharge from feedstock storage area is controlled <input type="checkbox"/> Feed storage is located in an uncontrolled area	
	Clean Water Diverted: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Discharge to a Water of the U.S. via Manmade Conveyance: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Direct Animal Contact with Waters of the U.S.: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
	Adjacent Facilities (by same owner/operator): <input type="checkbox"/> Confinement <input type="checkbox"/> Open Lot <input checked="" type="checkbox"/> None			
	Evidence of Discharges: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
NPDES PERMIT STATUS	The facility, as observed during the inspection, was a Large CAFO and did not need an NPDES permit. NPDES permit is required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
COMPLIANCE STATUS	This facility appeared to be in compliance with Iowa's environmental regulations at the time of the inspection. Actual conditions may vary over time with the operation and maintenance of the facility. Facility is in compliance: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
AUTHENTICATION	Inspector:  Wendy S. Wittrock	Date: 8/16/17	Reviewer:  Dan Olson	Date: 8/16/17

IOWA DEPARTMENT OF NATURAL RESOURCES
AFO INSPECTION REPORT

FACILITY EVALUATION

This inspection initially involved a desk top assessment and a review of the field office files and compliance database. The scheduled onsite inspection included a review of the current Manure Management Plan (MMP), an operation and maintenance discussion, as well as visual observations of the manure storage structure and facility grounds. On August 10, 2017 I met with David Wittry and Trent Heimerman, Facility Contacts to conduct an onsite inspection of this confinement facility. The findings of this inspection are listed in the report below.

BIOSECURITY

Prior to inspecting the facility, I discussed bio-security with the owner or operator. The owner/operator had a facility bio-security policy, which we discussed and I followed. I visited Handlos 4A King Farm prior to this inspection as arranged by the facility contacts. *Note from inspector: My last prior visit to a swine facility was at 10:00 A.M. on August 7, 2017. I washed my vehicle on August 10, 2017 at Whetstones Extreme Clean Car Wash in Atlantic at 8:00 AM. I wore clean clothes and rubber boots covered with plastic booties when I entered the facility grounds. My vehicle was parked in the driveway at the entrance to the facility during my inspection.*

FACILITY

The Handlos - Arnold facility is located in the SE¼ of the SW¼, Section 9, Cameron Township, Audubon County and consists of 4 buildings. Below, the aerial photograph documents the facility.

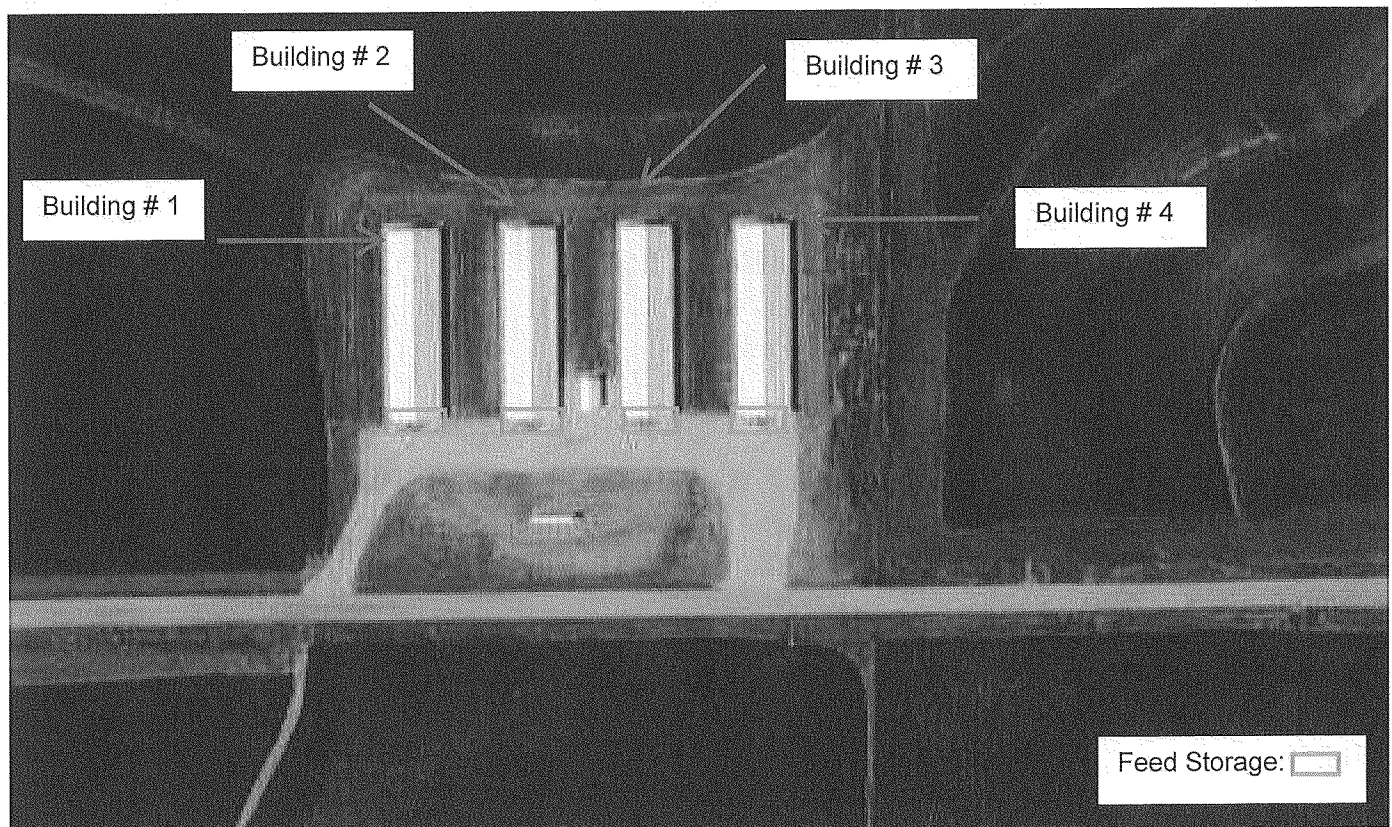


Figure 1: Aerial view of the Handlos - Arnold facility.

The facility building concrete that was visible appeared to be in good condition. No visible signs of cracks or leaks in the concrete were observed.

- An MMP inspection was conducted and the contents of the plan met all applicable requirements.

- Manure application and routine application equipment inspections are performed by Handlos Manure Hauling (1533CMS). According to our records, confinement applicators working for the Handlos - Arnold facility currently have valid certifications.
- More than 300 acres are available for manure application.

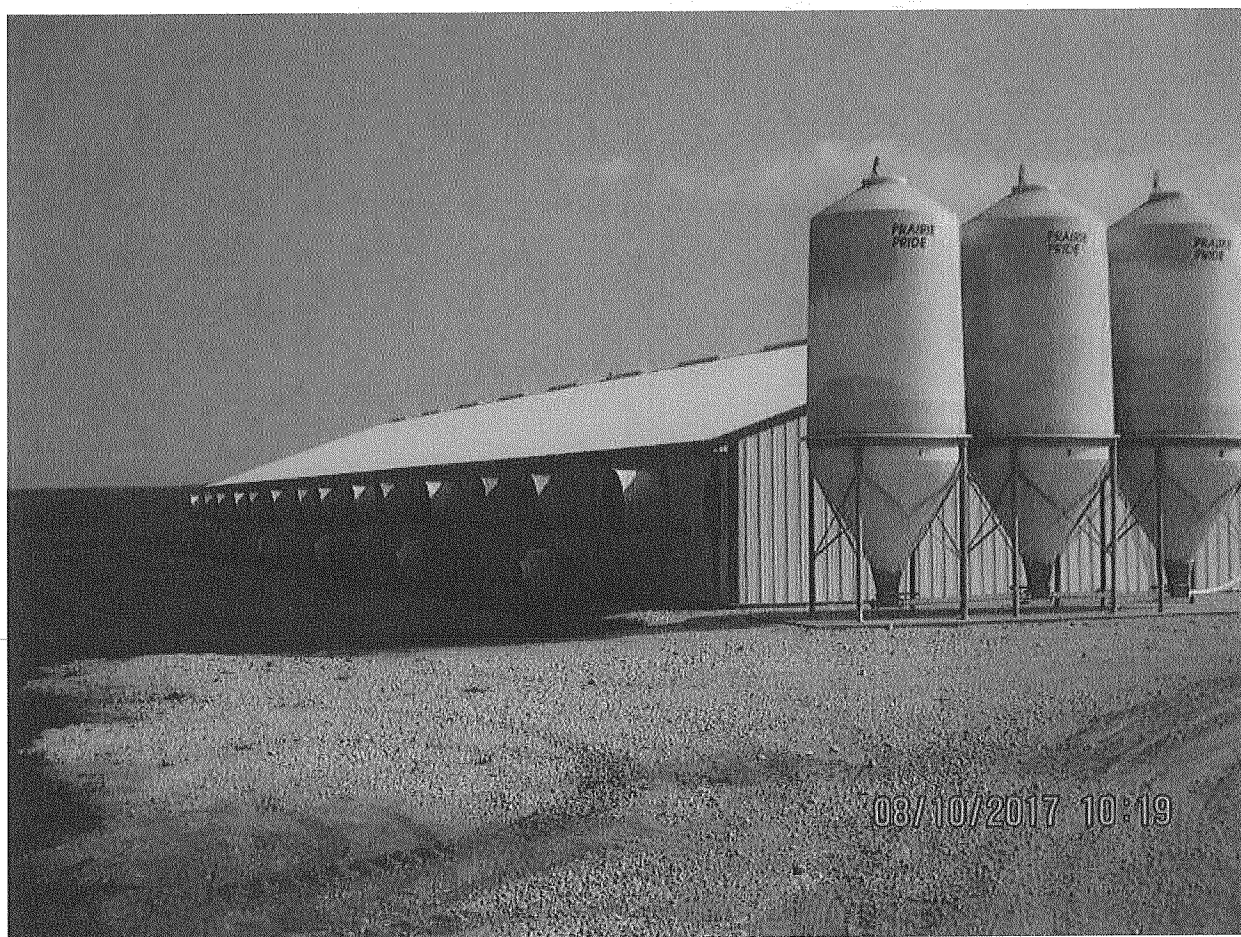


Photo # 1: Facility Building #1 (looking to the northeast).



Photo # 2: Facility Building #1 (looking to the southwest).



Photo # 3: Facility Building #2 (looking to the northeast).



Photo # 4: Facility Building #2 (looking to the southwest).



Photo # 5: Facility Building #3 (looking to the northeast).



Photo # 6: Facility Building #3 (looking to the southwest).



Photo # 7: Facility Building #4 (looking to the northeast).

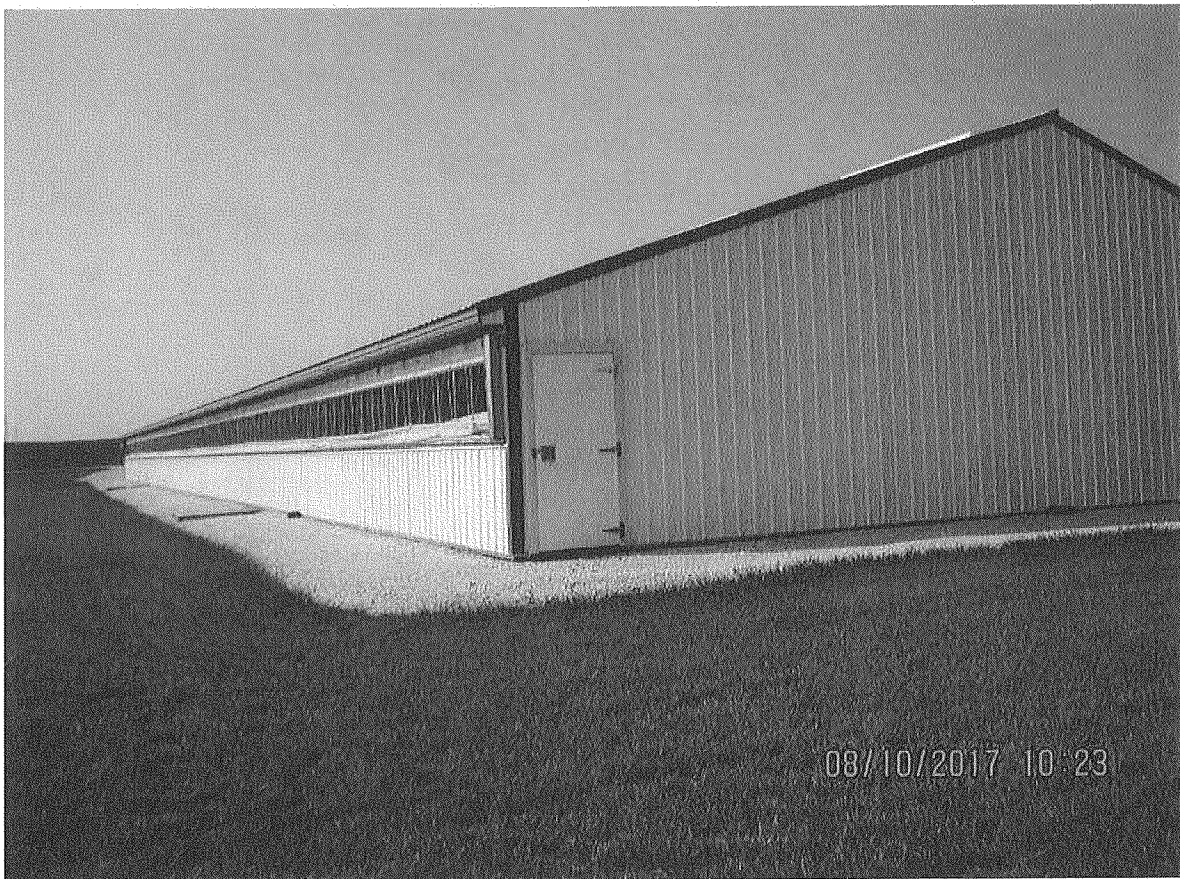


Photo # 8: Facility Building #4 (looking to the southwest).

Manure is stored as liquid slurry in below building pits and is land applied via injection. The pits were last pumped in the fall of 2016. I observed no signs of leakage from the storage facility. The following photograph documents my observations.



Photo # 9: Below building pit and pit fan.

I identified and observed the potential areas and direction of discharge. I did not document any discharge from the confinement facility to a water of the state. The manure storage structure appears to adequately contain manure with no evidence of manure discharges. The manure storage structure also appears to be structurally sound. I recommend you inspect for discharges and needed repairs regularly, as confinement feeding operations must contain all manure produced between periods of application. Any discharges may require a National Pollutant Discharge Elimination System (NPDES) permit for the operation.

CLEAN WATER DIVERSION

While inspecting your facility, I saw that the current storm water diversion structures and practices appear to be functioning properly. I recommend you inspect and maintain these structures regularly after every rainfall and snowmelt event to ensure proper operation and continued water diversion from your facility.

FEED STORAGE

During the inspection, I observed feed is contained in a bulk bin feed system. The bins, feed tubes, and various attachments appear to be intact and effectively containing feed. I did not observe feed spilled on the ground from feed transfer to the bins. Inspect this part of the operation frequently, as runoff water could carry spilled feed into a water course where it could create violations of state water quality standards. Discharge of such pollutants would potentially require a National Pollutant Discharge Elimination System (NPDES) permit. The following photographs document my observations.



Photo # 10: Covered feed storage facilities.

DEAD ANIMAL DISPOSAL

Mr. Heimerman stated that dead animal disposal is addressed through rendering.

I was not able to observe the rendering pickup location at the time of the inspection due to bio-security. Mr. Heimerman stated that mortalities are taken to the nearby Handlos Ranch site # 60990; however, they were in the process of moving the rendering box to a new location near that site where a concrete pad was being constructed. The rendering location will be observed during the scheduled inspection of the Handlos Ranch site.

MISCELLANEOUS

According to Mr. Heimerman, this site is serviced by a well located northwest of the facility buildings meeting all separation distance requirements.

REQUIREMENTS

No requirements at the time of the inspection.

RECOMMENDATIONS


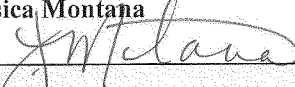
- Periodically inspect the concrete manure storage and feed storage bins for signs of cracks, erosion, and/or discharge.
- Assure dirt work and landscaping is properly addressed to prevent erosion.
- Assure all separation distances are met during land application of manure.
- Assure all soil samples are obtained and the RUSLE2 and P-Index are run for each field prior to application.
- Assure all land application records document the portions of the fields that are applied to.
- Assure all fields that are not continuous are separated for purposed of running the RUSLE2 and P-Index.

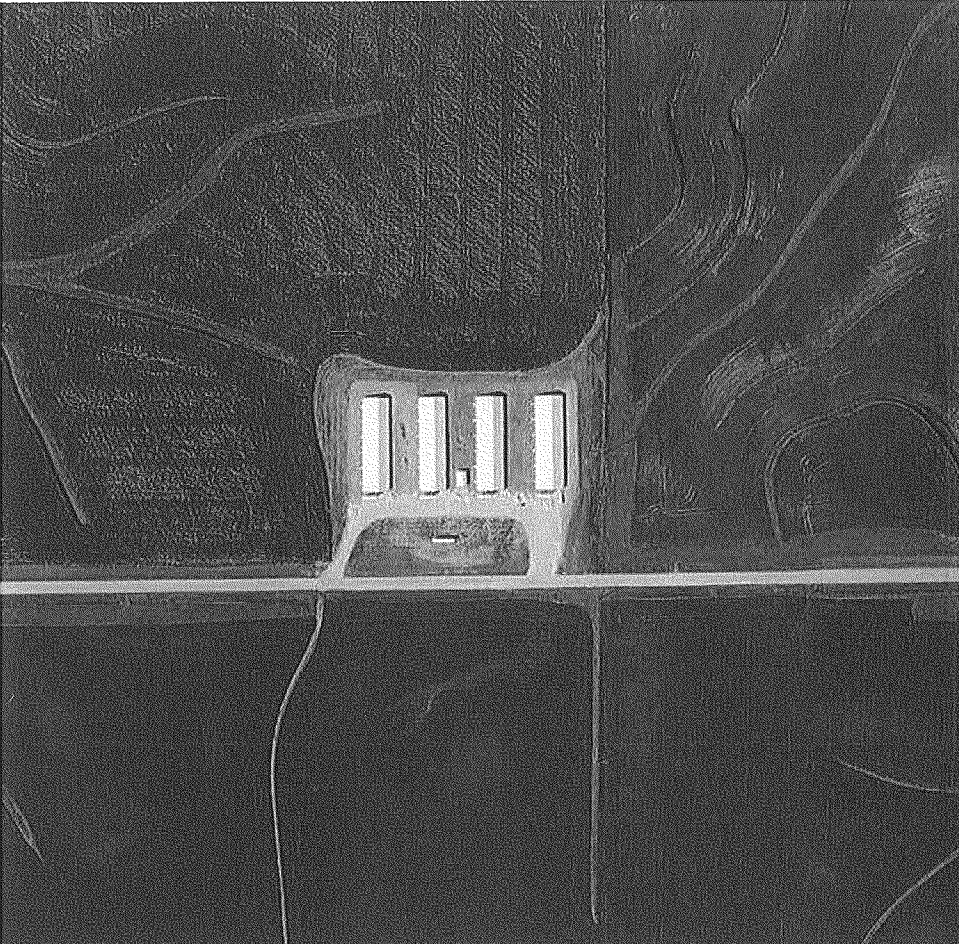
SUMMARY

This facility appears to be well maintained and operated. As the facility ages, preventative maintenance will become increasingly important in order to ensure the facility operates as designed. No violations were noted.

File: Audubon081017.cf.Handlos - Arnold AFO Inspection Report.wittrock.doc

IOWA DEPARTMENT OF NATURAL RESOURCES AFO Desktop Assessment Form					
Assessor: Wendy Wittrock			Assessment Date: 1/28/2016		
Documentation Examined:		<input checked="" type="checkbox"/> AFO Siting Atlas		<input checked="" type="checkbox"/> AFO Database	
<input type="checkbox"/> Public Mapping Information <u>Google map</u>		<input type="checkbox"/> MMP		<input checked="" type="checkbox"/> FOCD	
FACILITY LOCATION		FACILITY: Handlos Arnold			FACILITY ID#: 67383
		ADDRESS: 1849 120 th St.		CITY: Audubon	STATE: IA
		ZIP: 50025			
		PLSS: Section 9, Cameron Township (T81N, R35W), Audubon County			
OWNER		NAME: Lawrence Handlos			
ANIMAL INFORMATION		ANIMAL TYPE(S)	CAPACITY	CURRENT HEAD	# OF PENS
		swine wean to finish	1920 au	4800	4
FACILITY TYPE		<input checked="" type="checkbox"/> Confinement		<input type="checkbox"/> Open Lot	
		<input type="checkbox"/> Dry		<input type="checkbox"/> Combined	
STORAGE TYPE		<input checked="" type="checkbox"/> Liquid		<input type="checkbox"/> Dry	
		<input checked="" type="checkbox"/> Covered		<input type="checkbox"/> Uncovered	
STORAGE STRUCTURE TYPE		<input type="checkbox"/> Earthen Manure Storage Structure #		<input type="checkbox"/> Anaerobic Lagoon #	
		<input checked="" type="checkbox"/> Below Building Pit # 4		<input type="checkbox"/> Aerobic Lagoon #	
		<input type="checkbox"/> Outside Concrete Pit #		<input type="checkbox"/> Outside Stockpile #	
		<input type="checkbox"/> Slurry-store #		<input type="checkbox"/> Covered Stockpile #	
		<input type="checkbox"/> Unknown			
AFO/CAFO Status		<input checked="" type="checkbox"/> Large CAFO [†]		<input type="checkbox"/> Medium AFO	
		<input type="checkbox"/> Small AFO			
		[†] All large CAFOs require an onsite inspection.			
NEAREST WATERCOURSE		Watercourse Name: an unnamed tributary to the East Branch of the West Nishnabotna River			
		Distance between facility and nearest watercourse:		<input type="checkbox"/> < ¼ mile ^{††}	
				<input checked="" type="checkbox"/> > ¼ mile	
		Description of flow path(s) to watercourse: west through a grassed waterway to an unnamed tributary to the East Branch of the West Nishnabotna River			
		^{††} All medium combined or open lot AFOs within a ¼ mile of a watercourse and that drain towards that watercourse require an onsite inspection. All medium confinement AFOs that utilize uncovered manure/litter storage and are within a ¼ mile of a watercourse and that drain towards that watercourse require an onsite inspection.			
COMPLIANCE HISTORY		Has there been a discharge to a Water of the U.S. within the last 5 years?		<input type="checkbox"/> Yes ^{†††}	
				<input checked="" type="checkbox"/> No	
		If yes, did the facility permanently remedy the cause of the discharge?		<input type="checkbox"/> Yes	
				<input type="checkbox"/> No	
				<input type="checkbox"/> Unknown	
		^{†††} All medium confinement AFOs that have discharged to water of the U.S. within the last 5 years require an onsite inspection.			
		Has there been a significant release within the last 5 years?		<input type="checkbox"/> Yes	
				<input checked="" type="checkbox"/> No	
		If yes, did the release present a significant threat of discharge?		<input type="checkbox"/> Yes*	
				<input type="checkbox"/> No	
				<input type="checkbox"/> Unknown	
		* All medium confinement AFOs that have had a significant release in the last 5 years and the release presented a significant threat of discharging to a water of the U.S. require an onsite inspection.			
		Have there been any complaint investigations?		<input type="checkbox"/> Yes	
				<input checked="" type="checkbox"/> No	
		If yes, describe:			
		Has an onsite inspection been conducted at this facility since 11/1/11?		<input type="checkbox"/> Yes	
				<input checked="" type="checkbox"/> No	
		If yes, was the inspection functionally equivalent to facility type specific SOP (i.e., confinement, open feedlot or combined)?		<input type="checkbox"/> Yes**	
				<input type="checkbox"/> No	
				<input type="checkbox"/> N/A	
		Inspection Date:		Describe:	
		** No onsite inspection is required if a functionally equivalent inspection has been performed since 11/1/11.			

RUNOFF ASSESSMENT	Is there evidence that manure, litter, or process wastewater is uncontrolled and/or unmanaged?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Unknown
	If yes, describe:			
	Are there tile intakes within 100 feet of the production area?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Unknown
	If yes, describe:			
	Does the facility utilize uncovered/uncontrolled composting areas?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Unknown
	If yes, describe:			
Note: If assessor answered "Yes" to any of the questions in this section, then a onsite inspection should be performed.				
	Assessment Notes/Comments:			
	<p>All large CAFOs require an onsite inspection.</p> <p>This facility does meet the requirements for an onsite inspection.</p>			
	<input checked="" type="checkbox"/> ONSITE INSPECTION REQUIRED.		<input type="checkbox"/> ONSITE INSPECTION <u>NOT</u> REQUIRED.	
AUTHENTICATION	INSPECTOR: Wendy S. Wittrock 	DATE: 2/5/16	REVIEWER: Jessica Montana 	DATE: 2/5/16
Note: This assessment was based on the information available on the date of the assessment. Conditions at this facility could change.				



Siting Information	
Location	-94.932080 41.838460
Ag Drainage Well Distance	1 mile or more
Well Distance	4083 ft
Alluvial Soils present	No
Distance to surface water	2180 ft
Distance to Major Source River	1 mile or more
Distance to Major Source Lake	1 mile or more
Distance to HQ/HQR water	1 mile or more
Karst features	Not in potential karst area
Designated Wetland Distance	> 2500 ft
Percent slope	2 %
Distance to public land	1 mile or more
AFO/CAFO Info	
Facility Explorer	AFO DB
312022272	67383
Distances are estimates based on best available data. Distance calculations are ± 37 ft.	
Proper AFO Siting	
High Quality Waters Information	
Alluvial and Karst Determinations	

Handlos Arnold, Section 09, T81NR35W, Audubon County



Animal Feeding Operation (AFO) Regulatory Status

Facility Name: Handlos – Arnold Facility ID: 67383 County: Audubon

- ☐ Large CAFO – Discharging – NPDES Permit Required
- ☒ Large CAFO – No discharge – No NPDES Permit Required
- ☐ Large CAFO – Has NPDES Permit
- ☐ Medium CAFO – NPDES Permit Required
- ☐ Medium AFO – No NPDES Required
- ☐ Medium AFO – Has NPDES Permit
- ☐ Designated CAFO – NPDES Permit Required
- ☐ Small AFO – No NPDES Permit Required

This determination was made based on conditions and observations made at the time of the inspection on August 10, 2017. Please note that the regulatory status of the facility can change if conditions at the facility change or are different from those documented during the inspection.

Inspector: Wendy S. Wittrock *[Signature]* Date: 8/16/17

Regulatory Definitions of Large CAFOs, Medium CAFOs, and Small CAFOs

These regulatory definitions are from the Code of Federal Regulations (CFR), implementing the federal Clean Water Act.

A **Large CAFO** confines at least the number of animals described in the table below.

A **Medium CAFO** falls within the size range in the table below and either:

- “(A) Pollutants are discharged into waters of the United States through a man-made ditch, flushing system, or other similar man-made device; or
- (B) Pollutants are discharged directly into waters of the United States which originate outside of and pass over, across, or through the facility or otherwise come into direct contact with the animals confined in the operation.” 40 CFR 122.23(b)(6)(ii)

If an operation is found to be a significant contributor of pollutants to waters of the United States, the permitting authority may designate a medium-sized facility as a CAFO as provided in 40 CFR 122.23(c).

A **Small CAFO** confines the number of animals listed in the table **and** has been designated as a CAFO by the permitting authority after determining that it is a significant contributor of pollutants to waters of the United States as provided in 40 CFR 122.23(c).

Animal Sector	Size Thresholds (number of animals)		
	Large CAFOs	Medium CAFOs	Small CAFOs
cattle or cow/calf pairs	1,000 or more	300 – 999	less than 300
mature dairy cattle	700 or more	200 – 699	less than 200
veal calves	1,000 or more	300 – 999	less than 300
swine (weighing over 55 pounds)	2,500 or more	750 -2,499	less than 750
swine (weighing less than 55 pounds)	10,000 or more	3,000 – 9,999	less than 3,000
horses	500 or more	150 – 499	less than 150
sheep or lambs	10,000 or more	3,000 – 9,999	less than 3,000
turkeys	55,000 or more	16,500 – 54,999	less than 16,500
chickens other than laying hens (other than a liquid manure handling system)	125,000 or more	37,500 – 124,999	less than 37,500
laying hens (other than a liquid manure handling system)	82,000 or more	25,000 – 81,999	less than 25,000



IOWA DEPARTMENT OF NATURAL RESOURCES
ENFORCEMENT CHECKLIST FOR AFO/CAFO INSPECTIONS

INSPECTION DESCRIPTION

Date of Inspection August 10, 2017
Facility Name Handlos – Arnold Facility ID# 67383
Facility Address 1849 120th St., Audubon
Inspector's Name Wendy S. Wittrock

INSPECTION FINDINGS

Narrative Description of Investigation (evidence of current violations; indicators of past violations; future concerns):

No evidence of current violations.

No indication of past violations.

Future concerns can be avoided by maintaining proper condition of the manure storage structures and checking for signs of erosion.

- ☒ Photographs and/or Video
☐ Water Samples (upstream and downstream)
☒ Personal Interviews
☐ Other _____

ACTIONS FOLLOWING INSPECTION

- ☒ No further action taken – no violation(s) observed
☐ Informal Meeting Date _____
☐ Letter of Inquiry Date _____
☐ Letter of Noncompliance Date _____
(Within 30 days of confirmation of Violation)
☐ Notice of Violation Letter Date _____
(Within 30 days of confirmation of Violation)

REFERRAL/NON-REFERRAL

- ☒ Non Referral; No referral warranted. Explanation:
No evidence of discharge reaching a water of the state.
No evidence of facility meeting referral criteria.
- ☐ Referral; based on the following criteria:
- ☐ Fish kill/acute water quality degradation
(Manure spills and/or discharges that result in destruction of aquatic life, including fish, are a top priority)
- ☐ Serious water quality degradation
(Release of pollutants may result in degradation of an aquatic resource without an obvious fish kill, but the effect may be impaired use and enjoyment of the water resource or chronic pollution harming

aquatic life)

- ☐ Discharges of pollutants to state waters not authorized by an NPDES permit
(This priority would include discharges from open feedlots or confinements to waters of the state, not authorized under conditions of an NPDES permit issued by the DNR. An impact on water quality is documented)
- ☐ Failure to obtain required NPDES permit
(A large CAFO, medium CAFO, or designated CAFO is found to have any documented discharge without, or in violation, of an NPDES permit)
- ☐ Unauthorized construction
(Construction of AFO/CAFO structures (including open feedlots) without, or contrary to, a permit or other required documentation is also a DNR priority. Proper compliance with AFO siting and construction requirements is essential elements of the AFO program, which helps keep pollutants out of streams)
- ☐ Significant violations of NPDES permit and/or conditions in the permit
(Violations of a significant nature and/or repeated violations of operating or reporting requirements)
- ☐ Failure to submit MMP updates
(MMPs are the cornerstone of the animal feeding program. The MMP helps ensure that any proposed or current confinement feeding operation over 500 animal units has adequate land to use the manure nutrients it produces)
- ☐ Failure to obtain proper manure application certification
(The manure applicator certification program is an important component of the AFO regulations. The program ensures that manure is transported and applied properly)
- ☐ Other _____

Date of Referral to Legal _____



IOWA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL SERVICES DIVISION



Field Office #1
909 W Main Ste 4
Manchester IA 52057
563-927-2640

Field Office #2
2300 15th St SW
Mason City IA 50401
641-424-4073

Field Office #3
1900 N Grand Ave
Spencer IA 51301
712-262-4177

Field Office #4
1401 Sunnyside Ln
Atlantic IA 50022
712-243-1934

Field Office #5
7900 Hickman Rd Ste 200
Windsor Heights IA 50324
515-725-0268

Field Office #6
1023 W Madison
Washington IA 52353
319-653-2135

Manure Management Plan Compliance Review – Nonsales of Manure

Site Visit Date Current: 08/10/2017 Last n/a	Number of Animals: 4,800	Animal Units: 1,920 au	N-based <input checked="" type="checkbox"/> P-based <input type="checkbox"/>	Facility Location County: Audubon	Facility ID: 67383
Facility Tier Status Pre-visit: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 Post-visit: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	Violation(s) Comments <u>No violations noted.</u>				
Clerical Violation(s) <input type="checkbox"/> 0 Technical Violation(s) <input type="checkbox"/> 0					

Facility Name Handlos - Arnold Person(s) Contacted David Wittry Phone email

Facility Owner Information & Address Unchanged? Yes ☐ No ☒ (Database must be updated)

Address of Facility: 1849 120th St., Audubon, Iowa 50025

Do you own or operate any other animal feeding operation within 2,500 feet? ☐ Yes ☒ No

MMP Contents		Are requirements being met for the following items?		
		Yes	No	N.A.
a.	Calculations to determine land area for application [65.17(4)]?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b.	Total nitrogen and phosphorus available, credits, application losses [65.17(5)]?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c.	Optimum crop yield, crop usage rate, and soils maps [65.17(6)]?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d.	Manure application methods and timing of application [65.17(7)]?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e.	Location of manure application and landowner agreements [65.17(8)]?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f.	Estimate of annual animal production and amount of manure produced [65.17(9)]?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g.	Methods, structures, or practices to reduce soil loss and potential surface water pollution (conservation plans for highly erodible land) [65.17(10)]?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h.	Does P Index no. generated correspond with P Index no. in plan? [65.17(17)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i.	Are proper soil sampling methods being used to calculate P Index? [65.17(16)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Records Review		Are requirements being met for the following items?		
		Yes	No	N.A.
j.	Copy of the current MMP [65.17(12)]?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
k.	Records kept for 5* years (or crop rotation if longer) maintained [65.17(13)]? *10/25/06	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
l.	Methods of application [65.17(13)a)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
m.	Dates when manure was applied [65.17(13)b)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
n.	Location of manure application and number of acres [65.17(13)c)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
o.	Manure application rate [65.17(13)c)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
p.	Statement of Intent for fields not owned or rented [65.17(13)e]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Field Observations of Manure Storage/Handling/Application & Animal Disposal		Are requirements being met for the following items?		
		Yes	No	N.A.
q.	Manure storage structures appear to be properly operated & maintained [65.2&65.15]?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
r.	Dead animals disposed of properly [567 IAC 100.4(455B) & Code of Iowa 167.18]? Type: Compost <input type="checkbox"/> Incinerator <input type="checkbox"/> Burial <input type="checkbox"/> Rendering <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion Items:		Were the following items discussed?		
		Yes	No	N.A.
s.	Manure release notification made within 6 hours [65.2(9)]?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
t.	Deficiencies, violations, and tier status?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
u.	Recommendations, improvements, environmental issues?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
v.	Manure applicator is certified [65.19]? Applicator name/number: Handlos Manure Hauling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
w.	Proper manure application [65.3(2)-(3)]?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments No violations noted.

SPECIALIST NAE Wendy S. Wittrock ON-SITE CONTACT David Wittry DATE 08/10/2017